

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY

SECOND SEMESTER – APRIL 2016

AZ 2506/AZ 1505/AZ 1502 – BASIC BIOTECHNOLOGY

Date: 23-04-2016

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

PART-A

Answer ALL questions:

(10×2=20marks)

1. Define IPR.
2. What is Trademarks?
3. What is Primary culture?
4. What is Cosmid?
5. What is the use of Ligases?
6. What is cDNA?
7. What is Transducers?
8. Define Bioreactors.
9. What is Micropropagation?
10. What is Transgenic fish?

PART-B

Answer any FOUR of the following questions:

(4×10=40marks)

11. State the importance of Biotechnology.
12. Give an account on Organ culture.
13. Explain in detail about the Molecular cloning.
14. What are Biosensors? How are they designed? State their application.
15. Give an account on Nitrogen fixation.
16. How are Restriction Enzymes classified?

PART-C

(2 ×20=40marks)

Answer any TWO of the following questions:

17. Give an account on Cell lines.
18. Examine: a. Plasmids b. Transposons.
19. Describe the process of Fermentation.
20. Give an account on Crypreservation.

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